

From owner-qrp-1@Lehigh.EDU Fri Sep 13 23:13:45 1996
From: lve1@inel.gov (Larry V East)
Subject: [4157] A job is a job...
Message-ID: <2.2.16.19960913193051.26c7aa46@eloi>

OK folks, the "cute" remarks about the ".gov" in my email address are starting to wear a bit thin, so guess its time to set the record straight. I am NOT an employee of the US Government (if I were, my wages and benefits would be considerably better...). My employer is Lockheed Martin Idaho Technology Co. (LIMTCO) -- a subsidiary of the Lockheed Martin aerospace giant. LIMTCO currently has a contract with the US Department Of Energy (DOE) to manage and operate the Idaho National Engineering Laboratory (INEL). Two years ago I was an employee of EG&G Inc. when they held the DOE contract. (Same office, same job, but different employer and fewer benefits... that's how our government is going about saving taxpayer's money...) Since I work at the INEL and it is a government owned facility, my email address contains "inel.gov".

If you would like to learn more about what we do out here, visit the INEL web site at <http://www.inel.gov/>

72 and have a good weekend --
Larry W1HUE/7

From owner-qrp-1@Lehigh.EDU Fri Sep 13 23:13:45 1996
From: Thomas Moore <TMOORE@PENTAGON-DTSW.ARMY.MIL>
Subject: [4154] Applications to Pittsburg
Message-ID: <01I9FNMM04UU8WW0PV@mr.pentagon-dtsw.army.mil>

I have noticed several postings about sending Gate 2 apps to Pittsburg ... Kansas. I thought that they were to be sent to Pittsburg"H" , PA.

de W7KMA QRP-L #585

From owner-qrp-1@Lehigh.EDU Fri Sep 13 23:13:45 1996
From: "Michael J. Hayes" <74672.2764@CompuServe.COM>
Subject: [4175] Argo 556 display problem
Message-ID: <960914001614_74672.2764_BHW48-1@CompuServe.COM>

Ten Tec Argo 556 and Scout 555 users,

I have a problem with my Ten Tec Argo 556 display alternating infrequently from the display frequency to the keyer speed indication with the 20 meter module installed. The rig works fine with the 40 meter module. I talked to Ten Tec and we tried several different combinations of power supply, grounds, antennas and dummy loads with no cure. We thought it was an RF problem. They sent me a new 20 meter module and that did not help.

Today I had a conversation with Gary at Ten Tec who was very helpful and recommended placing a 47K ohm resistor between the speed pin on plug 49 of the low level driver board and ground. I thought I would pass along his fix and see if anyone else has had this problem with the Argo 556 or Scout 555 before I do the fix this weekend.

73

Mike N1FGW

From owner-qrp-l@Lehigh.EDU Fri Sep 13 23:13:45 1996
From: George Gingell <k3tks@u1.abs.net>
Subject: [4158] Argonaut 509 \$
Message-ID: <Pine.BSI.3.93.960913155321.6911A-100000@u1.abs.net>

Keith,

I am very sorry to hear your comments about the "INSULTING OFFER". I agree it was an INSULT. FYI the Average going price for and Argonaut 509 in good condition seems to be \$225.00 . I paid \$305 cash for mine brand new in the box in 1978. The best investment that I ever made. :-)
If you figure about 70% return on the investment, that is $\$305 \times .70 = \213.50 . or $\$305 \times .75 = \228.75 I saw two fair condition 509's at Dayton which I believe went for \$225 each including a power supply each and a cw filter as well with the other. One the QRPP Ringleaders got the Ten-Tec Microphone. I must admit he paid a more than fair price of \$ 70 for it. I would not have paid nearly that much, but then again I hardly ever use a microphone. Some say that I really don't need one :-).
I hope that this is of some use to you and others. There are several of us on the list who will gladly help with matters like this one. Not that I am an expert on them, but I have seen several bought and sold.
No, I am not selling my 509 or 515 or 405. I might even fire up the 515 this year. I am planning on having to stations setup downstairs when the remodeling project is complete. :-) Dosen't everyone have a Guest Station?

72, 73 es

QRP DX TU (C) 1986 G.Danny Gingell, K3TKS@.abs.net
Maryland Milliwatt Club QRP Reference Library, (301)572-7564

From owner-qrp-l@Lehigh.EDU Fri Sep 13 23:13:45 1996
From: kb0rol@juno.com (Bradley L Mugleston)
Subject: [4113] Autek AF-1 and Tuners
Message-ID: <19960912.204721.7695.0.kb0rol@juno.com>

Gary and the Gang,

I've been reading about the accuracy of tuners and SWR measurements. Being a new owner of an AF-1 I thought I'd repeat what Autek includes in the instructions for the AF-1.

"Please note that there is a "suckout" effect below SWR's of 1.2 caused by diode drops. This is typical of most SWR bridges, although most manufactures don't mention it. So we're all happy with our "perfect" 1:1 SWR's. And, as a practical matter, a 1.2:1 SWR means less than 1% reflected power!"

I haven't read any other manuals for instruments that read SWR but Autek seems to go into great detail about the limits of the AF-1, tells you what they are and how they will effect your readings. They even give you a way to calculate a more accurate measurement if you need it!

Just thought I'd put in my 2 cents worth. BTW, I have no connection to Autek but would take money from them if offered.:-)

Brad Mugleston - KB0ROL
Colorado QRP Club # 170, QRP-L #316, ARRL
QTH - Aurora, CO - DM79oq
KB0ROL@JUNO.COM
BMUG@GWL.COM

From owner-qrp-l@Lehigh.EDU Fri Sep 13 23:13:45 1996
From: mvjfm@mvubr.att.com
Subject: [4123] Boxboro ARRL Convention
Message-ID: <199609131310.JAA24638@alig1.att.att.com>

Ernie,

Obviously you did not get this notice sent in August.

QRP-NE Members:

Volunteers sre needed for the QRP Information
Booth at the ARRL Convention in Boxboro MASS, on Friday,
Saturday, and Sunday - Oct. 4, 5, 6, 1996.

The booth is located in the main hall aisle near the forum
halls and can be used for QRP related equipment, brochures,
handouts, information, Home Brew projects, and displays.

Samples/Copies of 72, membership apps. and past ARCI QQ
newsletters will be available as hand outs.

Please contact Jim Fitton, W1FMR 603-898-6188 to volunteer.

I will be away on Fri. and Sat. at the Hoss Trader event in
Rochester NH, unless it pours rain.

At Boxboro we have a warm, comfortable, indoor booth.

Plan to attend the QRP forums (esp..NN1G & K1LGQ) on Sunday
at 12:00 p.m..

Thanks

72/73 Jim Fitton, W1FMR NE-QRP <>< NH

E-MAIL - PLEASE USE mvjf@mvubr.lucent.com (not att.com)!

From owner-qrp-l@Lehigh.EDU Fri Sep 13 23:13:45 1996
From: "Claton Cadmus" <aplitech@spacestar.com>
Subject: [4153] Call for Moderation-READ THIS PLEASE.
Message-ID: <199609131905.0AA29804@Spacestar.Net>

In the past I have not been to concerned about the off topic
posts to this list. However, lately I've began to think I
unwittingly subscribed to ham-misc@lehigh.edu. I believe that
our QRP list has grown to the size that requires moderation.

For those that may not know, a moderator is appointed or elected and enforces the "rules of the list". This is accomplished by sending polite private messages to the originators of off-topic messages. Also, the moderator is the ONLY one allowed to post messages to the list in matters of administration. i.e.; calling an end to a thread, posting the current rules, or declaring a subject off topic, etc.

The advantage of this is much less clutter, more on-topic conversations, much less wasted bandwidth and smaller concise digests.

Let's put it to a vote. I have set up my mailer to receive the votes. To vote you must follow these instructions. (DO NOT REPLY TO THIS MESSAGE!)

Send your vote to cla@spacestar.com

In the SUBJECT AREA type

moderation yes

or

moderation no

No point in writing in the body of the message, it won't be read. My mailer will place the votes in separate NO or Yes folders for counting. Voting is open to members of the qrp-1 list only and you may vote only once. Your vote is confidential, only the totals will be revealed. Votes improperly sent will not be counted. The polls close Wednesday, Sept. 18th, at midnight CDT. Results will be posted to the list Thursday AM the 19th.

Also, please direct any comments about this vote and why I should or shouldn't be doing this to me as private e-mail.

73 de KA0GKC Cla

Claton Cadmus / Application Technologies Inc.

Ph. (612)926-8886 Fax (612)926-8545

E-mail cla@spacestar.com

ka0gkc@ka0gkc.ampr.org

From owner-qrp-1@Lehigh.EDU Fri Sep 13 23:13:45 1996

From: AE0Q / V31RY <v31ry@ix.netcom.com>

Subject: [4145] Callsign?

Message-ID: <2.2.16.19960913174122.09cfb950@popd.ix.netcom.com>

>Date: Thu, 12 Sep 1996 09:44:16 +0000
>From: Richard Wilkerson <richqrp@pacbell.net>
>To: qrp-1@Lehigh.EDU
>Subject: [4075] new address
>Message-ID: <3237DB70.161A@pacbell.net>
>
>I did it again..new server..new address
>from richqrp@worldnet.att.net to richqrp@pacbell.net
>
>72's to all....rich
>

That's nice, Rich, but what is your ham callsign?? Names and e-mail addresses are great, but hams identify hams by their calls, and everyone should sign e-mail with a callsign!

73 -- Glenn

Duct Tape is like the Force: It has a light side, and a dark side,
and it holds the Universe together.

AE0Q / V31RY ex: GM5BKC, ZB2WZ, SV0WY, WA0VPK
v31ry@ix.netcom.com -- ARRL LM, QCWA LM, NCVA --

From owner-qrp-1@Lehigh.EDU Fri Sep 13 23:13:45 1996
From: lve1@inel.gov (Larry V East)
Subject: [4149] Data on RCA 4013 Transistor
Message-ID: <2.2.16.19960913174043.27cf1a96@eloi>

Anyone happen to have the specs for an RCA 4013 transistor? (These are used as finals in some OHR kits). I'm looking for the actual RCA specs, not specs for SK or NTE replacements. I'm particularly interested in Vce and Vcb ratings.

Also -- anyone know of a WEB site (or sites) that lists transistor specs? I did a web search but didn't come up with anything useful.

72, Larry W1HUE/7

From owner-qrp-1@Lehigh.EDU Fri Sep 13 23:13:45 1996
From: Tim Cook <timcook@erinet.com>

Subject: [4169] Datong FL-3 for sale/trade
Message-ID: <3239E554.3AE5@erinet.com>

I have a datong fl-3 audio filter for sale or trade. It has auto notch, hp/lp/cw/rtty filters, all fully adjustable bandwidth and center freq. Also has a manual notch. It is not DSP, it is a scaf design. works and looks fine...

Asking \$135 or consider trades on QRP KITS, SW receivers, make offer please email for info

Thanks

Tim

NZ8J

From owner-qrp-1@Lehigh.EDU Fri Sep 13 23:13:45 1996
From: "Walter B. Thomas" <walter.thomas@gsfc.nasa.gov>
Subject: [4165] FS - Miscellaneous Kits, etc.
Message-ID: <2.2.16.19960913174334.3017def2@pop300.gsfc.nasa.gov>

I'm cleaning out the kit and junk box and have the following for sale:

LCK transceiver kit, 160 or 80 M, unbuilt, except RX board about 50% completed. All parts and complete manual. \$35.00

NN1G original (12/92) transceiver board set PLUS 36 caps and diodes needed for kit, ten 10.0 MHz crystals, five 7 mm 10.7 MHz IF cans and 10K pot (1/8 in. shaft). This is the "Mark I" version using the smaller boards and 7 mm IF cans. Includes schematic, parts list and 3 pp. of instructions from NN1G. \$20.00

MFJ-941 Versa Tuner, good condition. SWR bridge modified with two turn loop through toroid to increase meter sensitivity for QRP; 1.5W indicates about 3/4 scale with "SWR/WATTS" at minimum. \$35.00

ARRL Handbook Low Power Step-Attenuator Kit, all parts including punched and tin-plated PWB material. Top and sides and one divider soldered with 95Sn-4Ag solder. Steps: 3 x 20, 10, 5, 3, 2, 1 dB. FAR Circuits (I bought a rotary step attenuator.) \$10.00

Ugly Weekender VFO and PA boards (FAR Circuits) \$ 5.00

Dentron Digital Display board, 3.25 x 2.25 in., for 7616 counter chip, with schematic and parts placement diagram, from Dan's \$ 4.00

1.000 MHz HC-6U crystal \$ 5.00

Tejas FWD-REV power meter kit (similar to "Stockton meter"), two small boards partially stuffed and soldered; includes all component parts, dual-ganged pot, 3P3T rotary switch AND 1 1/4 x 1 3/4 in. (face) DUAL METER (400 uA F. S.). NO INSTRUCTIONS OR SCHEMATIC.
\$ 6.00

Above prices include shipping/postage for continental U. S.
Foreign will be extra for shipping or postage. Transceiver kits and MFJ tuner will be shipped insured.

Walt Thomas WA4KAC
(301) 604-1808 evenings 2030-2300 EDT

From owner-qrp-1@Lehigh.EDU Fri Sep 13 23:13:45 1996
From: "David Kreinberg" <kreinbd@ccgate.dl.nec.com>
Subject: [4125] G2 SURVEY RESULTS
Message-ID: <9608138426.AA842627465@smtpgw.ccgate.dl.nec.com>

Hello All:

The following gives the result of the little
GATE 2 survey from this group.

Let me say that my reason for doing this was purely for the interest I've had with the call system and the psychology behind "the ham and their call". Along with the code/no-code debate, this issue spawns a wide range of emotions - people are either VERY much against this, or are VERY excited about it. There were no luke-warm "well I guess I'll do it because the FCC is letting me and most everybody else is doing it" sort of responses.

I was hoping for a higher response return, but here's what we got through Friday morning:

Total = 37 responded

Q1. Are you going to apply for a GATE 2 Vanity Call?
Y - 16 N - 21

Of course, if the response to Q1 was NO, then this voided a response to Q2.

Q2. Will you be listing one or more desired calls which are outside of your QTH call area?

(ex. If you call area is in 6 land, will any of your choices be in call areas 0-9)

Y - 8 N - 8

(Note - you CAN do this, call the FCC if you don't believe me)

Q2, as expected, generated the biggest emotions! Some thought that expanding their call range would give them a better shot at a desired call. Others insisted that this "dilutes" the call system and causes much confusion, especially when DXing ("W8 station you say your QTH is in Utah??").

Most of the comments people sent were related to how many applications the FCC would get the first day. Low guess - 2000. High guess - 5000+. Also, how long will it take the FCC to "wade" through the first few weeks of paper flood and process the apps!

Anyway, there it is. A pretty emotional and interesting topic (at least for me). Thanks to all who responded. This was all for fun, and sorry for the non-QRP bandwidth.

ObQRP - I recently purchased an Atomic Keyer from Embedded Research to go along with my MFJ-9020. A very neat device and very easy to build and operate. Works great. More later.

73 de Dave (AC5GY - still debating whether to make a change???)
QRP-L #25

From owner-qrp-l@Lehigh.EDU Fri Sep 13 23:13:45 1996
From: chuckolson@juno.com (Chuck Olson)
Subject: [4112] Inexpensive Memory Keyer kit for sale
Message-ID: <19960912.231010.4807.1.chuckolson@juno.com>

Jackson Harbor Press is pleased to offer the WB9KZY keyer kit for sale:

Keyer Chip, \$5 (includes schematic, parts list, construction and operation info)
Chip + circuit board, \$13
semi kit, \$20 (includes chip, board, EEPROM and all other board mounted parts)

add \$2 for shipping in US (those outside the US, please inquire for shipping costs)

Please email for more info: chuckolson@juno.com

Jackson Harbor Press
N21W1418 Foss Road
RR1, Box 91C
Washington Island, WI 54246-9718

P.S. Please excuse me if this is a double post - I didn't see anything the first time I sent it to the list.

Thank You,

Chuck Olson
WB9KZY

From owner-qrp-l@Lehigh.EDU Fri Sep 13 23:13:45 1996
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
Subject: [4164] insulting offers
Message-ID: <199609132148.QAA26131@multi2.pic.net>

Bob makes a very good point:

>>

If you are selling something, and don't want 'insulting' offers, please name a price. Far too many rigs/equipment are offered at 'best offer' or some other nebulous (sp?) cost. I never respond to these other than to ask 'how much'.

If you have a value in mind, please state it before you ask for offers, otherwise you can expect some that are low...who knows, a low-ball sometimes works.

73,

Bob KI7MN NorCal 1221 ARCI 8918 Qrp-l 271 CQC 274 ARRL (Not in any order of importance!)

<<

I can think of only two examples of insulting offers:

1. "I'll offer you \$100 for your gold-plated whatzit and you're ugly too".
2. "I'll offer you \$100 for one night with your spouse".

The first one is a very interesting negotiating tactic. The second is more insulting to your spouse than you.

A price is always a balance between how badly the seller wants to get rid of the merchandise and how badly the buyer wants to own it. I have, at times, paid far too much for something because I wanted it too much. On the other hand, I have gotten some very good bargains when I was willing to lose them. I have said, "I would like to buy your whozit, but I don't really need one right now, so it isn't worth that price to me. It would be worth \$xxx to me though, so if you can't get a better price and you still want to sell it, give me a call back." Sometimes the seller finds a better offer, sometimes he comes back, sometimes he just keeps the merchandise, but I've never had a seller feel insulted.

I write this as I begin packing up some stuff to take to the Livermore Flea Market next month before the Norcal QRP meeting. So, if you see me there, make me an offer! (I will have a few gold-plated whatzits.) By the way, does anyone have any idea what an IC22S is worth these days? I don't want to insult anyone with my asking price!

Mike K1MG

From owner-qrp-l@Lehigh.EDU Fri Sep 13 23:13:45 1996
From: wk9t@juno.com
Subject: [4136] Japanese Sailor
Message-ID: <19960913.111544.7094.1.wk9t@juno.com>

Guys, I know this has nothing to do with QRP but it is a chance for some of you West Coast guys to help out a fellow ham. The people on this reflector are among the most helpful Hams I have met and I know we all would like to do our part in this search.

73/72 de Rod ... WK9T Carol Stream(Chicago), IL
Grid: EN-51ww QRP-L # 616 ARS # 153
E-mail: wk9t@juno.com

FROM HAM RADIO ONLINE MAGAZINE

14 Year Old Japanese Sailor has Not Been Heard From Since 18
August

www.hamradio.online.com grants automatic reprint permission for this story without restriction. Please

distribute as appropriate.

Background

14 year old Subaru Takahashi is making a solo crossing of the Pacific Ocean from Japan to the United States
- in a 30 foot yacht. You can read of his story at 14 Year Old Japanese Boy is Sailing Solo Pacific Crossing.

Unfortunately, no one has made radio contact with him since August 18th. He reportedly had trouble earlier with a satellite transceiver and was then relying solely on ham radio. After crossing the International date line, and due to the poor HF propagation conditions, his signals became too weak to monitor in Japan. At this time, he has not been heard from in three weeks. If you live on the West Coast of North America or in Hawaii, your assistance is urgently requested to help re-establish radio contact with Subaru.

How To Contact Subaru

By Masa Sakamoto, KN6RJ, kn6rj@interserv.com

I have been trying to make contact with Subaru since August 18, 1996. Unfortunately, no one has made contact with him since 18 August 1996. He may have equipment problems with his transceiver or its antenna.

The following is the contact schedule Subaru has been using:

Subaru's call sign: JH0YCG

Net Frequency: 21.437 MHz

Net Schedule

JST 07:00 - 08:00 Seagull Net (GMT 2200 - 2300)

JST 12:20 - 13:00 Okera Net (GMT 0320 - 0400)

JST 20:00 - 20:30 Okera Net (GMT 1100 - 1130)

Note: JST to GMT conversion performed by Ham Radio Online and unverified

I am calling him 10 minutes before each net starts. Please watch first if he is calling back. If you can hear him and if I can not copy him, call him and ask his location and condition.

Unfortunately, he can not use 14MHz band due to his limited license. He has two generators and ICOM portable transceiver. The antenna is not known.

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From owner-qrp-l@Lehigh.EDU Fri Sep 13 23:13:45 1996
From: Doug Hendricks <ki6ds@telis.org>
Subject: [4111] Jim Cates Dinner in Mt. View Friday Night
Message-ID: <3238E974.3383@telis.org>

Guys, don't forget the get together with Jim Cates at the Pizza Place next to 2 Guys from Italy in Mountain View. It is located in the Shopping Center at the SW corner of the Intersection of 237 West (Grant Road) and El Camino Real. The Pizza Place is in the corner behind Burger King. We will be there at 6:30. Hope to see you.

Jim and I will also set up a QRP station tomorrow at the Foothill Swap in Los Altos. I will bring my Sierra, St. Louis Tuner, St. Louis Vertical, and Arizona Scorpion Homebrew Paddles. Hope to see you there. Stop by and say hello. If the Sept. issues come tomorrow, I will bring a box of them with me. They did not come in today. 72, Doug, KI6DS

From owner-qrp-l@Lehigh.EDU Fri Sep 13 23:13:45 1996
From: n4so@juno.com (CHARLES K BROWN)
Subject: [4122] KITS.TXT
Message-ID: <19960913.060844.4423.3.n4so@juno.com>

THE ARRL has a text file called KITS.TXT which lists most QRP kits and addresses of QRP kits mentioned on QRP-L.

Revision date was July 1996.
And it's from info@arrl.org

with the following commands in the Message section:

SEND KITS.TXT
QUIT

=====

If you have revisions, corrections, and comments they go to
mtracy@arrl.org.

From owner-qrp-1@Lehigh.EDU Fri Sep 13 23:13:45 1996
From: jkumar@bilbo.wipsys.soft.net
Subject: [4117] Matching 50 TX to 300 line
Message-ID: <9609131721.AA06030@bilbo.wipsys.soft.net>

I would like to try a folded dipole with 300 Ohm ribbon cable
on 2m.

Could someone help me match 50 Ohm Tx output
to 300 Ohm balanced line at 146 Mhz ?

tnx es 73/72s,

Jay, vu3crj

From owner-qrp-1@Lehigh.EDU Fri Sep 13 23:13:45 1996
From: "Bob Tellefsen-CNSE97" <Bob_Tellefsen-CNSE97@email.mot.com>
Subject: [4183] N6WG TMPS Results
Message-ID: <M1050264.002.p3982.1.960913234402Z.CC-MAIL*/OU=LMPCC10/OU=ILBE/
PRMD=MOT/ADMD=MOT/C=US/@MHS>

Got a late start on TMPS. Wanted to play, but my antenna didn't. Used a half-square vertical at Field Day, and worked so well I put one up for 30m at home. Finally got going with TMPS. Had to use my QRP++, as it my only rig with 30m.

Noticed two things over the time I've been on 30m. Noise level surprised me. Expected it to be less than 40m. Also, QSB extremely active. Started QSOs at 579 or so, and in two or three exchanges QSB right out of contact. For those of you who have been on 30m longer, is this commonplace, or just a local fluke?

Managed to work 89 QSOs in 30 states, plus 5 DX prefixes. CA, CO and AZ gave me the most QSOs. At times it seemed the only stations on 30m were all in CO.

Anyway, had a great time. Still get some time in on 30m early in evening, then drop to 40m. Warming up for the foxes.

72, Bob N6WG

N6WG TMPS 1996 Qs=89 States=30 Confirmed=8 DX=5

AK AZ CA CO FL GA HI IA ID IL IN KS KY LA MI MN MS NC NE NJ NM MV NY OK OR PA TX
UT WA WY VE KH4 KH6 KL7 ZL

From owner-qrp-1@Lehigh.EDU Fri Sep 13 23:13:45 1996
From: Mike Hughes <macmike@netnitco.net>
Subject: [4134] Need Qrp plans
Message-ID: <9609131600.AA06021@aegis.nitco.com>

I would like some qrp plans for something to work into Arkansas on SSB. I
am in northern Indiana. Any ideas?

Need to get into North West Arkansas, West Memphis.

From owner-qrp-1@Lehigh.EDU Fri Sep 13 23:13:45 1996
From: SCN User <nwqrp@scn.org>
Subject: [4133] NW QRP / QRP Afield

Bill (N7MFB) and qrp-1,

We are leaving Sat. am. (13th) We will take the QRP+ since I did not
get the NW20 done in time. Since we will be taking over a weeks worth
of food, I will take only the minimum radio gear for QRP Afield.

Therefore, we will be using the QRP+ and a 20M dipole with a straight
key and a gel-cell battery. We will also have a solar panel and
a 2M HT. We will be approximately 7 mi. (by trail) North of Snoqualmie
Pass (I-90). The location is Gravel Lake.

We will begin our hike at Stevens Pass (HWY 2) on Saturday morning
(tomorrow) and will hike for one week before QRP Afield starts.
We will be following the Pacific Crest Trail (search for it
on the web, you'll find more information). The trail follows
the ridgetops most of the way ... around 4000 to 5000 feet.

We expect snow at least for the first few days. I hope we have sun for
charging batteries.

See you for the radio event ... we will be on 20 M only.

--Brian High, KV9X (Marcia KC7MCW will be logging)

==[scn]==-

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/ _|_ \

nwqrp@scn.org
<http://www.scn.org/IP/nwqrp>

--0---/\--

/^\^\/ ^^\
--NW QRP--

From owner-qrp-1@Lehigh.EDU Fri Sep 13 23:13:45 1996
From: bhopkins@polarnet.com (Bruce Hopkins - KL7JAF)
Subject: [4114] OHR Exp.II & KC-1's sold
Message-ID: <v01540b00ae5ea4c38b4a@[204.119.24.89]>

Hi Gang...

Thanks for the response on the Explorer II/20m and the two KC-1
keyer/counters... All three are spoken for but I will keep the rest of the
offers in the order I received them in case someone should decide to back
out...

Thanks again and sorry to those who wanted a unit but were not the
first to get in the queue...

72/73/oo's - Bruce * KL7JAF

QRP-L #380	QRP-ARCI #9061	G-QRP #9181	Norcal #1543	ARS #14
ISSB #14548	TFO #359	McPig #003	AK-QRP #1	

Web Page: <http://www2.polarnet.com/~bhopkins>

TMPS 1996 Qs=032 States=10 Confirmed=00 DX=12
HI CA TN WA KS AK OR NE NM MI
R1F KH6 WA6 KL7 ZL1 VE7 JR7/7 UA0 VK5 V73 VY1 5W0

"Every Man should learn to play the Flute,
but not well..."

From owner-qrp-1@Lehigh.EDU Fri Sep 13 23:13:45 1996
From: torell@sicom.com (Kent Torell)
Subject: [4166] propagation forecast
Message-ID: <v02130501ae5f86684dec@[192.91.202.41]>

Nothing spectacular to report the last few weeks; we are in a period of some geomagnetic storming right now, but it should clear up and be nice for the qrp outing next weekend :-). I am appending the ARRL bulletin from Tad, KT7H below.

Propagation Forecast Bulletin 38 ARLP038
>From Tad Cook, KT7H
Seattle, WA September 13, 1996
To all radio amateurs

SB PROP ARL ARLP038
ARLP038 Propagation de KT7H

Solar activity was down last week, with the sunspot numbers below the 90 day average of 71 on every day. Solar flux was down an average of over 4 and sunspot numbers down an average of 11 compared to the week previous. September 10 was a disturbed day, with an A index of 25 and the K index as high as 5 over several periods.

Look for solar flux to peak around the mid-seventies from September 23 to 25. Disturbed or stormy conditions are forecast around September 26. Current unsettled geomagnetic conditions are expected to quiet down from September 14 to 20.

Sunspot Numbers for September 5 through 11 were 0, 0, 15, 15, 0, 0 and 0, with a mean of 4.3. 10.7 cm flux was 70.3, 69.7, 69.5, 68.2, 67.9, 68, and 67.6, with a mean of 68.7.

I'm hoping to take some wire and prototype tuners to the field, and test with the Cascade on 80, HB on 40, MFJ9020 on 20, and maybe the SWL30 on 30. Hoping to try to match to long wires, 1/2 wavelength end fed, and verticals (a la St. Louis Vertical, although I've never seen one).

72, es gl

Kent Torell torell@sicom.com 602-483-2867 x40
SICOM 7585 E. Redfield, #202 Scottsdale, AZ 85260
AB70A qrp-1 57 ARCI 9075 DM33xn 33.55 N 111.078 W

From owner-qrp-1@Lehigh.EDU Fri Sep 13 23:13:45 1996
From: WOHEP@aol.com
Subject: [4159] QRP Afield from SD
Message-ID: <960913161149_478052412@emout10.mail.aol.com>

Look for me from SD in the QRP Afield activity. I will also be operating from Minnesota evenings September 15?, 16, 17, and 18 and from South Dakota September 20.

I will be operating using a newly-installed Tape Tenna (tm) Zig Zag Zepp antenna on the roof of my motorhome. I will be on 20m with my MFJ 9020 and possibly on 30 and 40 as well with my Icom at QRP level. I have not had a chance to try out the new Zepp on the roof yet.

72,
Rich WOHEP

From owner-qrp-1@Lehigh.EDU Fri Sep 13 23:13:45 1996
From: QRPBOOK@aol.com
Subject: [4160] QRP Data Book Orders
Message-ID: <960913161412_522043322@emout13.mail.aol.com>

I will be on a one week business trip ending with the QRP Afield (operating from South Dakota!). I have received h past week that I have not shipped as yet. These will be shipped as soon as I return.

If you ordered a book prior to the first of September and have not received it, please drop me a line. My family problems that have had me in a tailspin for several months is now resolved, I hope, and things should be back to normal very soon.

Thanks for the orders and look for your books to be shipped the week of September 23.

72,
Rich WOHEP
Five Watt Press

From owner-qrp-l@Lehigh.EDU Fri Sep 13 23:13:45 1996
From: "Tracy, Michael, KC1SX" <mtracy@arrl.org>
Subject: [4121] QRP info from the ARRL
Message-ID: <m0v1WxY-000f8kC@mgate.arrl.org>

Hello all! I am not on this list at present, so please send any comments by email - thanks.

I have taken the various information supplied by Charles Brown, N4SO, Chuck Adams, K5FO and Jeff Jones, AB6MB, along with corrections from several sources, including this list and combined the information into a single text file, "QRP-INFO.TXT". This file includes all of the information formerly available in the old QRP-INFO.TXT, QRPRIGS.TXT and QRPAAWARD.TXT files. The new file is available from:

1. WWW -
<ftp://oak.oakland.edu/pub/hamradio/arrl/infoserv/techmisc/qrp-info.txt>
2. FTP oak.oakland.edu, directory /pub/hamradio/arrl/infoserv/techmisc/
3. The ARRL email Info-Server - send an email to info@arrl.org with any subject or none and put the following text in the body of your message:

HELP
INDEX
SEND QRP-INFO.TXT
QUIT

If anyone has comments on this information, please let me know.

Best Regards, Michael Tracy, KC1SX, ARRL Technical Information Services

American Radio Relay League, Inc. Tel: 1-860-594-0200
225 Main Street Fax: 1-860-594-0259
Newington, CT 06111 Email: mtracy@arrl.org (internet)

From owner-qrp-l@Lehigh.EDU Fri Sep 13 23:13:45 1996
From: Dan Keen <70731.722@CompuServe.COM>
Subject: [4116] QRP-L Equipment listing
Message-ID: <960913062419_70731.722_EHM48-2@CompuServe.COM>

> What I would really love to see (I can't volunteer company resources

> for this) would be a general ham equipment listing for older equipment
> that is no longer sold, but still available on the surplus and hamfest
> circles. As an example, Radio Netherlands has a series of reviews of
> shortwave receiver equipment at
> <http://www.rnw.nl/en/pub/testlab/index.html>.
>
> I don't know how many times I have wanted to see an old brochure on
> equipment to determine specs and particularly options available to see
> what it was I was considering.
>
> Just a thought !!
>
> 72, n3qoo
>

Yep, would be nice.

You probably already know that for printed books on that subject Raymond S. Moores (RSM publishers) _Communications Rcvrs_ (3rd edition) and his _Transmitters_ cover tube type boat anchors from 1930 to about 1970.

The rcvrs covered are all superhet, doesn't list the great old regenerative models except I see the SW-3 is in there for some reason...

From owner-qrp-1@Lehigh.EDU Fri Sep 13 23:13:45 1996
From: Doug Cooper <dougco@efn.org>
Subject: [4142] radials
Message-ID: <Pine.SUN.3.91.960913101916.4627A-1000000@garcia.efn.org>

Greetings,

I plan to bury some radials fer my ground-mounted vertical. Question: Do they have to be made with insulated wire, or can I use something like electric fence wire??

73, de n7cnh/doug

From owner-qrp-1@Lehigh.EDU Fri Sep 13 23:13:45 1996
From: WJ4PRandy@aol.com
Subject: [4182] Ramsey Xmtrs Spectral Purity?

Message-ID: <960913232047_308036651@emout13.mail.aol.com>

Has anyone checked out the spectral purity
of the Ramsey QRP-XX xmtrs?
If so, how are they?
Thanks,
Randy WJ4P

From owner-qrp-l@Lehigh.EDU Fri Sep 13 23:13:45 1996
From: Jim Eshleman <lujce@hooch.CC.Lehigh.EDU>
Subject: [4184] READ ME - This list is now PRIVATE
Message-ID: <96Sep13.234843-0400edt.65735-14099+292@hooch.CC.Lehigh.EDU>

Gang,

In an effort to reduce, and hopefully eliminate, unsolicited advertising of a non-QRP nature and spam attacks, this list is now a private list, which means you must be a subscriber to post to the list. The list still has an open subscription policy.

This means that if your e-mail address in the From: field of your e-mail header does not match the one that the list server recorded when you subscribed, your posting will be rejected. This can happen for a variety of reasons: You're using a different account or host than the one you subscribed from, your service provider changed your domain name, etc. You have several options:

- Post from the account and/or host that you subscribed from.
- Unsubscribe using the account and/or host you subscribed from, and subscribe from the account and/or host you want to post from.
- Subscribe from the account(s) and/or host(s) you want to post from, and set your mail mode to POSTPONE so you don't receive duplicate QRP-L mail.
- Or contact me if your posting is rejected and you're sure you are subscribed (you are receiving QRP-L mail) and you can't do any of the above, or don't understand what I'm talking about. I'm almost always a nice guy and will figure out a way to solve your problem. My e-mail address is lujce@hooch.CC.Lehigh.EDU. I normally will respond within 24 hours, but don't panic if I'm late, it's only a hobby :-)

Thanks for your support.

Jim N3VXI

From owner-qrp-1@Lehigh.EDU Fri Sep 13 23:13:45 1996
From: Bill Meahan <wmeahan@ford.com>
Subject: [4137] RS DSP Alert!
Message-ID: <199609131628.AA28902@internet-mail2.ford.com>

As of 1215 EDT today the RS on Dix in Lincoln Park, MI [313-388-1120]
had TWO (2) DSP units left @ \$29.97.

A few minutes earlier they had three :-)

72 de WA8TZG!

--

Bill Meahan wmeahan@ford.com
Ford Motor Company -- End User Support - North America
Not an official statement of Ford Motor Company or anyone else
except the author.

From owner-qrp-1@Lehigh.EDU Fri Sep 13 23:13:45 1996
From: John Dorson K2JHU Real Estate Consultant <jdorson@bbs.mpcs.com>
Subject: [4141] small amplifiers
Message-ID: <199609131648.MAA26784@bbs.mpcs.com>

Hi Gang;

While researching for a small amplifier for my qrp rigs for those times when
qrp just does not do it, I had numerous replies for which i am very
thankful. One reply mentioned a company that was not known to me.
The name of this company is CCI or Communication Concepts, Inc. which
has all kinds of solid state amp kits as well as other items and parts
for you to built your own.

Their address is: 508 Millstone Drive,
Beavercreek, OH 45434-5840

Phone number is: (513) 426-8600

Fax number is: (513) 429-3811

I hope this information is of help to someone...
John Dorson Real Estate Consultant

E-Mail To: jdorson@bbs.mpcs.com

| Trying for WAS - AL,AK,AZ,AR,CA,CO,CT,FL,IL,IA,KS,KY,LA,ME,MD,MA|
| MI,MN,MT,NH,NJ,NY,NC,ND,OH,OK,OR,PA,RI,TX,VT,VA|
WA,WI

K2JHU only QRP... CQC #351, GQRP # 9092,

From owner-qrp-1@Lehigh.EDU Fri Sep 13 23:13:45 1996
From: Bill Acito 13-Sep-1996 1001 <acito@asdg.ENET.dec.com>
Subject: [4127] SW-30 Audio
Message-ID: <9609131419.AA25296@us1rmc.bb.dec.com>

Well, just in time for TMPS (Doh!) I completed a SW-30 last night. Was waiting on an order of replacement mica caps from Mouser, and the box finally showed up.

Rig fired up first time, no smoke. I also have the RIT and MMIC mods installed.

Question on audio... seemed kinda low (when compared to a Norcal 40). Granted, 30m was 'deader than a doornail' last night, but I could still hear the loud teletype. I was comparing the sigs against my TS130.

Anyone who has owned both (a Norcal and a SW-xx) care to comment on audio level? RF cap peaked ok, and no, T1 is not backwards. Is this to be expected?

I'm also going to examine the enclosed mod's, posted a while back. They may already have been incorporated in the version I have; I haven't checked yet.

I have a KC-2 built and ready to go, and this weekend will be overcast in New England... methinks I might have a pretty decent rig by the end of the weekend.

b

Enc:

From: CRL::"Mike.Czuhajewski@bbs.abs.net" "MAIL-11 Daemon" 1-DEC-1995
10:24:18.38
To: Multiple recipients of list <grp-l@lehigh.edu>
CC:
Subj: 4040 notes and mods (repost)

Here's something I found recently on rec.radio.amateur.homebrew and the author gave me permission to repost it here. He also gave me permission to use this in the Idea Exchange in the QRP Quarterly, so I deleted a minor item for his "protection". It's a useful little tip, not about the rig itself, which he is submitting to QST for possible use in Hints & Kinks, and one of their criteria for acceptance is not being previously published elsewhere. As he told me, he'd rather see it in QST than the QRP Quarterly since Hints & Kinks gives \$20 checks! Having cashed a couple of those checks myself, I understand his position :-)

73 and Queue Our Pea DE WA8MCQ

Msg #9404 Wednesday, November 29, 1995 21:34 GMT
From: tiemann@spot.Colorado.EDU (TIEMANN BRUCE)
Subject: 40-40 mods, notes

(I know this is a bit late, but...)

I've built the 40-40 QRP 40 meter CW transeiver described in the Nov, 1994 QST, and I've made a few mods and measurements that may be of interest to readers of this group. The receive sensitivity has been increased, QSK is approached, the use of a different final amp is described, and the tuning range has been increased. Birdies present within the band serve as convenient frequency markers.

The receive sensitivity of the 40-40 as built was low: My IC-726 with a 6' whip could hear signals that the 40-40 with a full size dipole couldn't. Two mods cured this: increasing C31, and adding a preamp.

With the antenna connected directly to the RF gain pot, R3, sensitivity was better than with the antenna at the intended place (L6/C30), indicating that loss occurred somewhere in the front end. Walking the antenna away from R3 identified C31 as the deafener. Replacing it with a 1000 pF ceramic (it was supposed to be 68 pF) made the thing hear about as well with the antenna connected to antenna port as at R3, indicating there were no more significant front-end losses. This increased coupling did not lead to significantly louder sidetone on transmit; it was still just as much too loud. Increasing the 4.7 megohm TX-audio-shunt resistor interconnecting the drain and source of FET Q1 to 22 meg fixed it.

However, it was still insensitive, so how about a preamp? W1FB's QRP notebook describes "the preamp that ICOM uses" in it's HF transceivers - and sure enough it's in my IC-726 schematic. (I used MPF102s.) It's two grounded-gate JFETs on opposite sides of coupling transformers, with the drains 22 ohms from the plus rail, and the sources 22 ohms from ground, and both resistors bypassed on the transistor side by .047 uF caps, and it went between C31 and R3. It made the 40-40 *just* able to hear atmospheric noise. It's nice because it's transparent to RF when power isn't applied - you merely give it juice if you want gain. It draws 10 ma - a good candidate for a front panel switch.

I found the hang time for T-R turnaround too long. It's dictated by the 1M resistor and 0.1 uF cap at the gate of FET Q1. A 0.01 for C was fast but gave a loud pop on T-R turnaround; a 0.02 was ideal.

For the final amp I used a 2SC2075, "identical to an MRF476," in place of the called-for 2N3553. (The MRF476 is spec'd for 3 W output at 50 MHz.) With the '2075, my 40-40 maxes out at about 4.5 watts. In contrast to the text "Adjust R2 as needed for 1.5 W key-down power [...] More is *not* better - you'll coax a little more power out at the expense of efficiency!" I found increasing efficiency with greater power, up to 3W, though this probably has more to do with the transistor than with the circuit. I calculated the efficiency by measuring the supply current to the radio, and measured the RF output by.... [potential Hints & Kinks item deleted]. With 15 volts on the rail, here's what I got:

0.05 watts output	80 ma TX draw	1.2 W Input	4% eff.
0.5 W	160 ma	2.4 W	21%
1 W	215 ma	3.23 W	31%
2 W	290 ma	4.35 W	46%
3 W	365 ma	5.48 W	55%
4 W	510 ma	7.65 W	52%

So with a 2SC2075, it looks like the highest eff. is at 3W, right at the spec of an MRF476. Note also that though it drops up top, it's still more efficient at 4 W out than at 1.5 W out.

Increasing C9 above 68 pF is mentioned as how to get more than 40 kHz of tuning range. I settled on 270 pF for C9, and a MV1162 varactor - 275 pF nominal - for a tuning range of just over 130 kHz. This much added capacitance required reducing C5-C7 to .002 each, with some small NP0 caps (68 and 12 pF in my case - YMMV) in parallel to put the bottom at 6997 kHz. This is enough spread that a ten-turn pot is called for as the freq. knob, but I'm exploring use of two single turn pots, a "coarse" and a "fine," to spare my precious ten-turn pot from permanent imprisonment.

As promised in the text, there is a HUGE birdie right at 7000 kHz - and it

makes an excellent marker! The radio is usable within 2 kHz of this birdie, so it doesn't result in much loss of spectrum, and I chose the bottom of the tuning range as 6997 to be sure I could tune across it. In addition, I found two other birdies, a weak one at 7077 kHz, and a strong one at 7117 kHz, and these too were suitable markers, also being unobtrusive and stable. (I wouldn't feel so kindly toward them if there were another means for frequency calibration!)

Next I'll make some KK7B direct - conversion transceivers... I suspect they will make an interesting comparison to the 40-40, at least on RX!

Bruce Tiemann, N6URH

--

Mike Czuhajewski, user of the UniBoard System @ abs.net
E-Mail: Mike.Czuhajewski@bbs.abs.net
The WB3FFV Amateur Radio BBS - Located in Baltimore, Maryland USA
Supporting the Amateur Radio Hobby, and TCP/IP InterNetworking

. - I own my own words -
Bill Acito
acito@asdg.enet.dec.com
|d|i|g|i|t|a|l| Digital Equipment Corporation Hudson, MA

KC1GS qrp-ne qrp-l adv-rs arci norcal amsat-na arrl-life

From owner-qrp-l@Lehigh.EDU Fri Sep 13 23:13:45 1996
From: Cecil A Moore <Cecil_A_Moore@ccm.ch.intel.com>
Subject: [4177] SWR=1:1 with open or short???

Come on guys, for the SWR to be 1:1 there has to be ZERO reflected power. How the heck do you get ZERO reflected power when the transmission line is open or shorted?

73, Cecil, W6RCA (not speaking for my employer)

From owner-qrp-l@Lehigh.EDU Fri Sep 13 23:13:45 1996
From: David Adams <dave@flowserver.stem.com>
Subject: [4163] Test

Message-ID: <9609132107.AA01200@flowserver.stem.com>

Really

David J Adams N9UXU QRP-L #83
dave@flowserver.stem.com NorCal QRP #1442
(415) 813-5028 Flow Cytometry Specialist

From owner-qrp-l@Lehigh.EDU Fri Sep 13 23:13:45 1996
From: wylde@nccn.net (Grover Cleveland WT6P)
Subject: [4138] The plural of "mod" is "mods" - thank you
Message-ID: <v02130500ae5f3a5a7952@[205.139.74.205]>

I'm just a voice crying in the wilderness but what the heck.

The plural of "horse" is not "horse's", it is "horses."
The plural of "car" is not "car's", it is "cars."
The plural of "radio" is not "radio's", it is "radios."

The plural of almost anything is not made by adding "apostrophe s" -
it is made by simply adding the letter "s".

So please tell me why the plural of "mod" should be "mod's" and not "mods".

[Now I sit back and wait for some of the illiterati to scream "GET A LIFE"
or "YOU HAVE TOO MUCH TIME ON YOUR HANDS" or some other less-than-clever
but popular retort.]

Fire away boys and girls, but please do so with a little flair and style.
Thanks to the fifty or so from this this list who wrote to agree with my
earlier post. There is hope.

WT6P
aka Dr. Grammar

(It's the last post on this subject, at least for a while, I promise.)
^^^^
(Look kiddies, he used "it's" properly. Wow!)

P. Grover Cleveland WT6P / QRP-ARCI 3795 / ARS 101 / Norcal 216 / QRP-L #669
Sr. Engineer - Tektronix/Grass Valley

Archaeominiferroequinologist
Fairmont Speeder Pilot
Certified Steam Locomotive Driver
Certifiably Loony

Can also be found at: cleveland@usa.net
71213.2741@compuserve.com
<http://ourworld.compuserve.com/homepages/gcleveland/me.htm>

From owner-qrp-l@Lehigh.EDU Fri Sep 13 23:13:45 1996
From: n3wxi@sgi.net
Subject: [4176] tuner
Message-ID: <199609140030.UAA14468@orion.bv.sgi.net>

Greetings folks. Well it looks like I can finally afford to purchase an antenna tuner. I have narrowed my choices to the MFJ-949E and the Vectronics VC300DLP. I have seen many comments on this list regarding the MFJ but can't recall anyone mentioning the Vectronics unit. The specs seem to be about the same and the price is comparable. Does anyone here use the Vectronics tuner and would they care to comment?

Thanks in advance.

George (N3WXI)
QRP-L #440

From owner-qrp-l@Lehigh.EDU Fri Sep 13 23:13:45 1996
From: rhight@primenet.com (Roger Hightower)
Subject: [4129] Vanity Call Sign Filing Procedures Clarified
Message-ID: <199609131458.HAA23662@primenet.com>

Forwarded for info, since there were some earlier questions about filing applications:

>
>FCC NEWS Released: September 12, 1996
>
>
>WIRELESS TELECOMMUNICATIONS BUREAU CLARIFIES
>AMATEUR VANITY CALL SIGN FILING PROCEDURES
>

>
>Filing Gate 2 will open for Amateur Station Vanity call sign requests on
>September 23, 1996 (see Public Notice 64756 released August 22, 1996).
>The Commission's lockbox contractor in Pittsburgh, PA has been
>inundated with inquiries concerning the filing gate and procedures. All
>inquiries concerning Amateur Vanity call sign requests and the filing
>procedures should be directed to the Wireless Telecommunications
>Bureau's Consumer Assistance Branch in Gettysburg, PA,
>toll free (800) 322-1117. Do not call the Commission's lockbox
>contractor in Pittsburgh, PA.
>
>Applications for vanity call sign requests, as well as other types of
>applications, are processed in receipt date order only, thus the time of
>delivery within that receipt date has no bearing on the order of processing
>within that receipt date. An application filed at 12:01 a.m. has the same
>processing priority as an application received at 11:59 p.m. that same day.
>Applications will be processed in the order they are received at the
>processor's work station. The Wireless Telecommunications Bureau
>requests that you take this into consideration when delivering your
>applications to Pittsburgh.
>
>Again, any inquiries concerning Amateur Vanity call sign Form 610-V
>completion or filing procedures should be directed to (800) 322-1117.
>
>
72/73 de Roger AA7QY

NorCal 1099 CoQRP 176 QRP-L 62 G-QRP 9081 ARCI 8946 NE-QRP 383

From owner-qrp-l@Lehigh.EDU Fri Sep 13 23:13:45 1996
From: KFGlynn@aol.com
Subject: [4126] Vanity Calls
Message-ID: <960913094722_521830064@emout15.mail.aol.com>

Hi gang,

Was at the library yesterday, and printed an old QST article explaining the history of callsigns. One thing that jumped at me was the fact that many hams wanted their own callsigns from day one. That it's nothing new.

My call KB2TE0 flows easily on CW and phone. Thought that I really didn't have a need to change it. But within the last 3 weeks that's changed, and I may put in an application. Maybe I'll only list 6 or so calls, and leave it up to God and the FCC.

73 Kevin KB2TE0

From owner-qrp-1@Lehigh.EDU Fri Sep 13 23:13:45 1996
From: "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>
Subject: [4185] Variable caps vs. variable coils
Message-ID: <Pine.OSF.3.95.960913214604.22262C-1000000@duke.usask.ca>

I was in the process of reading "Solid state design for the Radio Amateur" by Hayward and Demaw and I notice that many of their designs use air-variable capacitors. Thinking that these tend to be expensive, and hard to come by in junked equipment because of the demise of tubes, I got curious enough to open up an automobile radio I have to see what it used for tuning. It had several coils with movable slugs which were engineered to move as a unit.

Is this typical for car radios? Is it a viable way to go for ham radio equipment? Is the purpose of roughly 5 variable coils for tuning various stages of the superhet or are they used for different parts of the broadcast band? (The receiver is AM/FM.) Is it feasible to convert a broadcast band radio for shortwave use on HF?

Thanks for your help.

Brian.

```
+-----+
| Brian Buydens, Computing Services, University of Saskatchewan |
| email: Brian.Buydens@usask.ca |
| VE5RDV |
+-----+
| "If I had only known, I would have been a locksmith." |
| -- Albert Einstein |
+-----+
```

From owner-qrp-1@Lehigh.EDU Fri Sep 13 23:13:45 1996
From: Richard Wilkerson <richqrp@pacbell.net>
Subject: [4156] Whats a callsign?
Message-ID: <32395239.1ED9@pacbell.net>

WD6FDD..thats my call.....HI HI..richqrp@packbell.net

72's to all, and to all a good night....rich

From owner-qrp-1@Lehigh.EDU Fri Sep 13 23:13:45 1996
From: Robert Paschal <r-paschal@worldnet.att.net>
Subject: [4179] World Radio Address
Message-ID: <19960914022331.AAA15281@LOCALNAME>

Thanks to Roger, Alvin and anyone else who responded I have the info I requested.

73 Bob AA0MC

From owner-qrp-1@Lehigh.EDU Fri Sep 13 23:13:45 1996
From: Robert Paschal <r-paschal@worldnet.att.net>
Subject: [4171] World Radio Mag
Message-ID: <19960913231227.AAA22978@LOCALNAME>

Anyone got World Radio Mag subscription address or phone number?

Better yet - how about an 800 number? Thanks

Bob AA0MC

From owner-qrp-1@Lehigh.EDU Fri Sep 13 23:13:45 1996
From: Dan Keen <70731.722@CompuServe.COM>
Subject: [4115] Re: 600 Ohm Phones Found
Message-ID: <960913062417_70731.722_EHM48-1@CompuServe.COM>

>Anybody know a good source for 2000 ohm headphones, instead of 600 ohms?

> > Antique Electronic Supply in Tempe AZ has them. Part #PA-466, \$13.99.
> > Phone 602-820-5411. Their catalog is worth having if for nothing else
> > than the nostalgia value.

Thanks Mark. I also found an old Trimm 1930's HiZ set in my junkbox.

Dan
70731.722@compuserve.com

From owner-qrp-l@Lehigh.EDU Fri Sep 13 23:13:45 1996
From: "Thomas J. Whalen" <whalen@swcp.com>
Subject: [4131] Re: Argonaut & R-71A off the block
Message-ID: <Pine.SUN.3.91.960913090345.12040B-100000@kitsune.swcp.com>

On Thu, 12 Sep 1996, William K Hibbert wrote:

> Last week I listed a Ten Tec Argonaut and an Icom R-71A for Lou, KA2DQA.
> Lou doesn't have an E-Mail account yet, and thanks to whomever from the
> QRP-L that called, won't in the foreseeable future...
>
> I got a packet message from Lou today, and he is withdrawing the items
> from the Sale table. The reason that he's doing this is that a member
> of the QRP-L, who Lou wouldn't identify to me, called him on the twisted
> pair, and offered him \$140.00 MAX for the Argonaut, saying that "it's
> not worth any more than that..."
> (Lou was asking \$260 with a Desk mike, and the outboard calibrator, and
> WOULD have discussed the price, within reason...) He felt that this was
> an insult, and is putting the rig back on the bench to run as a backup
> rig.
>
>
> I have to agree with Lou. That was an INSULT, and I am sorry to see that
> it allegedly came from a member of this group. Even if it wasn't a
> QRP-L'er, it was still an insult.
>
> I know this was posted earlier, but just what is a fair price for an
> Argonaut 509, in good physical condition, perfect electrically, and
> including a desk mike and a calibrator worth??? My feel is \$220 - \$260 as
> described... Am I out in Left Field with this?
>
> If you have a feel for this item, drop me a direct line (wb2vuo@juno.com)
>
>
> 72, Keith, WB2VUO, QRP-L # 582
>
>
Keith, I picked up a mint 509 at the last Albuquerque hamfest for 100.
Also got the matching model 250 pwr supply and desk mike with it. I think
I got a good deal! Tom WB5QYT qrp-l 640

From owner-qrp-l@Lehigh.EDU Fri Sep 13 23:13:45 1996
From: "Paul R. Valko" <prvalko@Oakland.edu>

Subject: [4135] Re: Argonaut & R-71A off the block
Message-ID: <Pine.OSF.3.91.960913120058.9035A-100000@saturn.acs.oakland.edu>

On Fri, 13 Sep 1996, Thomas J. Whalen wrote:

> Keith, I picked up a mint 509 at the last Albuquerque hamfest for 100.
> Also got the matching model 250 pwr supply and desk mike with it. I think
> I got a good deal! Tom WB5QYT qrp-l 640

Good Deal? I hope you gave 'em a kiss afterwards!

73 =paul= wb8zjl

From owner-qrp-l@Lehigh.EDU Fri Sep 13 23:13:45 1996
From: Bob Hightower <ki7mn@dancris.com>
Subject: [4161] Re: Argonaut 509 \$
Message-ID: <199609132051.NAA00016@dancris.com>

I lost the original message, but remember the thought, so this is not directed to Danny in particular.

If you are selling something, and don't want 'insulting' offers, please name a price. Far too many rigs/equipment are offered at 'best offer' or some other nebulous (sp?) cost. I never respond to these other than to ask 'how much'.

If you have a value in mind, please state it before you ask for offers, otherwise you can expect some that are low...who knows, a low-ball sometimes works.

73,

Bob KI7MN NorCal 1221 ARCI 8918 Qrp-l 271 CQC 274 ARRL (Not in any order of importance!)

From owner-qrp-l@Lehigh.EDU Fri Sep 13 23:13:45 1996
From: "Dana H. Myers" <myers@bigboy.West.Sun.COM>
Subject: [4162] Re: Argonaut 509 \$
Message-ID: <Roam.3.0.842648462.6802.myers@bigboy>

> I lost the original message, but remember the thought, so this is not
> directed to Danny in particular.

>

> If you are selling something, and don't want 'insulting' offers, please name
> a price. Far too many rigs/equipment are offered at 'best offer' or some
> other nebulous (sp?) cost. I never respond to these other than to ask 'how
> much'.

Yeah, I agree with Bob. If you're not advertising a starting price, then
you'd better have a thick skin about offers - some will be low-ball,
often because the person making the offer has little idea of where to
start. If you don't provide a starting price and get a low-ball,
don't get your feelings hurt (which sounded like it happened in the
Argo 509 case here).

Dana
Dana@Source.Net

From owner-qrp-1@Lehigh.EDU Fri Sep 13 23:13:45 1996
From: "Dana H. Myers" <myers@bigboy.West.Sun.COM>
Subject: [4146] Re: Callsign?
Message-ID: <Roam.3.0.842636801.29346.myers@bigboy>

> >Date: Thu, 12 Sep 1996 09:44:16 +0000
> >From: Richard Wilkerson <richqrp@pacbell.net>
> >To: qrp-1@Lehigh.EDU
> >Subject: [4075] new address
> >Message-ID: <3237DB70.161A@pacbell.net>
> >
> >I did it again..new server..new address
> >from richqrp@worldnet.att.net to richqrp@pacbell.net
> >
> >72's to all....rich
> >
> >
> That's nice, Rich, but what is your ham callsign?? Names and e-mail
> addresses are great, but hams identify hams by their calls, and everyone
> should sign e-mail with a callsign!

Good heavens, why? It isn't as if Rich is posting inflammatory material
and attempting to obscure his identity. If you *really* want to know
Rich's call, I'll bet you could find it in less than a minute.

take care,
Dana
Dana@Source.Net

From owner-qrp-1@Lehigh.EDU Fri Sep 13 23:13:45 1996
From: Bob Hightower <ki7mn@dancris.com>
Subject: [4151] Re: Callsign?
Message-ID: <199609131843.LAA27030@dancris.com>

At 11:41 AM 9/13/96 -0600, you wrote:

>
> That's nice, Rich, but what is your ham callsign?? Names and e-mail
> addresses are great, but hams identify hams by their calls, and everyone
> should sign e-mail with a callsign!
>
>

Oddly enough, some servers, or ISP's, don't permit numbers in their user names. I had to talk mine into it, and I work for them!

73,

Bob KI7MN NorCal 1221 ARCI 8918 Qrp-1 271 CQC 274 ARRL (Not in any order of importance!)

From owner-qrp-1@Lehigh.EDU Fri Sep 13 23:13:45 1996
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
Subject: [4120] Re: Field Day special
Message-ID: <Pine.SOL.3.94.960913073337.6354C-100000@utkux4.utcc.utk.edu>

On Thu, 12 Sep 1996, Gary Nye wrote:

> I would appreciate it if anyone can copy an article from the June
> 1984 QST about a "Field Day Special" antenna. Does anyone have any
> experience with this antenna? A model was included with EZNEC and it
> looks interesting.

The FD Special is a variant of the ZL Special--135-degree phased folded dipoles, where the phasing line is 300 ohm parallel feeder, the same as the antenna elements--a very light mono-band antenna for field use.

I have done some extensive modeling of ZL Specials, both straight and folded element varieties. The demise of 72 -ohm parallel line pretty much rules out easy construction of straight element (e.g., single lengths of tubing) versions, but the FD Special is so close to optimal for a 2-element phased array with a fixed phasing line (no variable components) that the difference does not make a difference.

There are two ways to make a folded dipole ZL Special: equal element lengths and unequal element lengths. W7EL chose the former, which lends

itself well to 300 ohm phasing lines (but remember that the elements can be made from any material suited to folded dipole use, adjusted for effective diameter: the wider spaced the wires in the folded dipole, the shorter the length). Unequal length versions, with the back element slightly longer than the front lend themselves to 150-ohm phasing line construction.

The element impedances are actually quite complex, and the standard 135-degree phasing line analysis actually is only a rule of thumb; it is mathematically inaccurate. The rear element is actually phased at -45 degrees with respect to current (but not necessarily voltage or impedance), which the 45-degree phase line length effects with its half twist. Additionally, the actual phase difference for an optimal array is not exactly 45 degrees current phase shift, but an amount dependent upon the exact spacing of the two elements. Most casually built ZL Special fail relative to standard 2-element Yagis because not all the variables were handled with adequate accuracy. However, the antenna got its good reputation in the early 50s when even commercially built Ham Yagis were quite poorly designed--and the tools of performance evaluation were not as accessible to hams.

In the series on small beams that is appearing in Communications Quarterly, the article on ZL Specials is next in line. However, I do not know the publishing schedule. The article contains a little of the history of the antenna, some of the calculations involved in its analysis, and reference to a number of models of published versions, and some of the pitfalls of casual construction--along with my test model, which is similar but not identical to the FD Special--similar enough that for those who do not wish to spend a week of finicky adjustments, the FD Special is as optimal as the home builder can expect to achieve.

Incidentally, Roy's article got me started down this line of investigation. You can get offprints of virtually any old QST article for \$3.00 each by writing or e-mailing ARRL.

If you want to develop your own version for a different spacing, band, etc., you might use NEC, which allows you to insert a mathematical (not physical) phasing line of parallel feedline in the model so that you can adjust all the variables until you get acceptable performance. With careful construction, the results will work as the model predicts.

-73-

LB, W4RNL

From owner-qrp-1@Lehigh.EDU Fri Sep 13 23:13:45 1996
From: "Gene Eighmy" <eighmy@scott.net>
Subject: [4167] RE: Field Day Special
Message-ID: <199609132230.RAA12242@koala.scott.net>

I built a FD Special and even used it for FD this year. I guess you saw the Azimuth plots on EZNEC and know that it is pretty narrow-beamed and that correlates with what we experienced. We also had a Delta loop set up and were able to A-B compare them. We had the FDS pointed a toward MN (the trees wouldn't let us point it toward WA). Most of the 0's had a considerable increase in signal strength on the FDS over the Delta Loop. We even worked KL7 on QRP SSB! LAX and W1, W2 and W3 came in a lot better on the Delta loop. The FD Special is well worth building and makes for a great DX antenna. Good Luck

Gene Eighmy - WD4MPS
Birmingham, AL
wd4mps@scott.net
eighmy@oxmoor.com

From owner-qrp-1@Lehigh.EDU Fri Sep 13 23:13:45 1996
From: Thomas J. Whalen <whalen@swcp.com>
Subject: Re: Half wave antenna

On Fri, 13 Sep 1996, Thomas J. Whalen wrote:

> Mike, This type of feed is called "J Feed", hence j-pole. You have the
> right idea. Hook one side of the 1/4 wave line to the 1/2 wave element
> and leave the other side open. At the other end of the line you short the
> two ends of the 1/4 wave line together. Then you tap up from the shorted
> end with your coax for the right impedance match. The following formulas
> should apply for feeding 1/2 wave antennas whether made out of wire or
> tubing. The half wave antenna is $7884/f$ in inches. The short side of the
> "J" is $2409/f$ in inches. The tap point is $183/f$ in inches. Don't forget to
> short the bottom of the 300 ohm or the 450 ohm line and also you have to
> take into consideration the velocity factor of the line. Most 300 ohm
> line has a vel. factor of .82 and the open wire variety has a vel. factor
> of .95. So don't forget to multiply that in your calculations. The only
> thing I have noticed with "J Fed" antennas is that they seem to be a
> little more narrow banded than those 1/2 waves fed with coil and cap.
> combos. Close enough for gov. work! More variations of this type of
> antenna to come in future posts. Have fun! Tom WB5QYT QRP-L #640
>

From owner-qrp-1@Lehigh.EDU Fri Sep 13 23:13:45 1996
From: "Thomas J. Whalen" <whalen@swcp.com>
Subject: [4172] Re: Half wave antenna (fwd)
Message-ID: <Pine.SUN.3.91.960913172912.17277D-100000@kitsune.swcp.com>

----- Forwarded message -----

From owner-qrp-1@Lehigh.EDU Fri Sep 13 23:13:45 1996
From: lve1@inel.gov (Larry V East)
Subject: [4130] Re: Larry East's 49er Article in QQ
Message-ID: <2.2.16.19960913150217.26c74a64@eloi>

>
>I do understand Larry's concern. I used to write a column called "You
>gotta hear 'em" for a west coast periodical and NEVER heard anything from
>any one until I deliberately put serious errors into my column to see if
>anyone was reading it. Writing is a lot of work (what isn't?) and if you
>think no one is reading what you write, it makes one want to do other
>things!

>
Actually, the concern was not mine, but Doug's. I am well aware that it is
human nature to comment on things one does not like rather than on things
one likes (the recent "Senior Gomez" incident is a prime example... :-)

I write occasional articles for ham mags and volunteered my services as an
editor for the QRP Quarterly because: a) I like to write, and b) I like to
feel that things I do might be of some use to others. I don't do it for ego
stroking, and CERTAINLY not for the money!

Thank you all for your comments; I'm glad the article was useful.

72, Larry W1HUE/7

From owner-qrp-1@Lehigh.EDU Fri Sep 13 23:13:45 1996
From: "Thomas J. Whalen" <whalen@swcp.com>
Subject: [4132] Re: Matching 50 TX to 300 line
Message-ID: <Pine.SUN.3.91.960913090708.12040C-100000@kitsune.swcp.com>

On Fri, 13 Sep 1996 jkumar@bilbo.wipsys.soft.net wrote:

>
> I would like to try a folded dipole with 300 Ohm ribbon cable

> on 2m.
>
> Could someone help me match 50 Ohm Tx output
> to 300 Ohm balanced line at 146 Mhz ?
>
> tnx es 73/72s,
>
> Jay, vu3crj
>
>

Jay use a 4:1 balun at the feedpoint which is about 26.5 inches long.
That will be a fair match but not perfect. By using a 1/2 wave element
made of straight tubing you can use a "delta feed" off the 4:1 balun
and "Y" off to the driven element. Ive done this and works great. Tom WB5QYT

From owner-qrp-l@Lehigh.EDU Fri Sep 13 23:13:45 1996
From: Mike Czuhajewski <wa8mcq@u1.abs.net>
Subject: [4119] Re: Milliwatt
Message-ID: <Pine.BSI.3.93.960913073828.26711A-100000@u1.abs.net>

There were a couple of postings recently about The Milliwatt, National
Journal of QRPp, and someone wondered if someone couldn't scan the hard
copies into a computer and make the files available. I won't blow his
cover by revealing his identity, since it may not come to pass and he may
have a long way to go still, but there is a subscriber to QRP-L who has
been toying with the idea for some time, has the approval of Adrian Weiss
to go ahead with it, and sent me a sample floppy disk of one issue. It
takes a complete floppy for one issue, and has to be viewed with Adobe
Acrobat (or something like that); he's considering putting it out on
CD-ROM, which is more practical than doing 33 floppies!

BTW, I did photocopies of the Milliwatt several years ago, and the last
time I did it was with the assistance of Bill Kelsey, N8ET. Total press
run of the 3 or 4 times was over 100 copies of the complete set (and many
QRP-L folks have copies). Not everyone has or wants material on CD ROM,
so there may be some market for hard copy reprints of the Milliwatt, and I
haven't totally ruled that out for a future project. (It was always done
on a non-profit basis.)

Comment about electronic QRPp: Doug is completely right, of course, as is
everyone else who is keeping their QRP journals on paper. This is the
computer age, blah blah blah, but paper magazines will never pass
away--and I think people are starting to realize that at last. And as for
his comment about people using published articles in their resumes and
getting jobs because the competition didn't take the initiative, that's
exactly why I work where I do today! At the interview I gave them a copy

of the then-current issue of the QRP Quarterly, which had my column and article in it and it impressed them. Would it have had as much impact if I had handed them a floppy disk, told them to boot up SuperDuperView 6.21 if they had it and take a look at ARTICL23.DOC and COLAPR92.DOC?

I think

not! I suspect the floppy would still be in flight toward the waste basket as they called in the next person for an interview!

As for the Milliwatt, the project IS being considered, and I'm sure the person will post the word to QRP-L when/if he's ready to go ahead with it.

73 and Queue Our Pea DE WA8MCQ

From owner-qrp-l@Lehigh.EDU Fri Sep 13 23:13:45 1996

From: Tom Bowman <tbowman@nbn.net>

Subject: [4168] Re: Milliwatt

Message-ID: <2.2.32.19960913224354.006b8210@nbn.net>

At 07:49 AM 9/13/96 -0400, you wrote:

>There were a couple of postings recently about The Milliwatt, National
>Journal of QRPp, and someone wondered if someone couldn't scan the hard
>copies into a computer and make the files available.
>... he's considering putting it out on
>CD-ROM, which is more practical than doing 33 floppies!

Great idea putting The Milliwatt on CD ROM especially if the price can be kept down around \$20 or so. One of the best things the League has done recently is putting the previous year's QSTs on CD ROM.

Tom Bowman, WA3REY, Mount Gretna, PA 17064 tbowman@nbn.net

From owner-qrp-l@Lehigh.EDU Fri Sep 13 23:13:45 1996

From: john andrews <jm165723@eee.org>

Subject: [4174] Re: Milliwatt

Message-ID: <3239F659.FC1@eee.org>

Tom Bowman wrote:

>

> At 07:49 AM 9/13/96 -0400, you wrote:

> >There were a couple of postings recently about The Milliwatt, National

> >Journal of QRPP, and someone wondered if someone couldn't scan the hard
> >copies into a computer and make the files available.
> >... he's considering putting it out on
> >CD-ROM, which is more practical than doing 33 floppies!
>
> Great idea putting The Milliwatt on CD ROM especially if the price can be
> kept down around \$20 or so. One of the best things the League has done
> recently is putting the previous year's QSTs on CD ROM.
> -----
>
> Tom Bowman, WA3REY, Mount Gretna, PA 17064 tbowman@nbn.net

"The Milliwatt" was compiled in 1994 into a bound edition with
the co-operation of Mike,WA8MCQ and Bill,N8ET(of Kanga). They
would be a good choice to speak with regarding the total package
and any copyright restrictions(IF any).

It would appear that I'm one of the few to own this fine manual.

72, John- N5INZ

From owner-qrp-l@Lehigh.EDU Fri Sep 13 23:13:45 1996
From: Steve Hideg <Steve.Hideg.1@nd.edu>
Subject: [4124] Re: QRP-L Equipment listing
Message-ID: <v03007804ae5f098b4c13@[129.74.35.16]>

At 1:24 AM -0500 9/13/96, Dan Keen wrote:

> > What I would really love to see (I can't volunteer company resources
> > for this) would be a general ham equipment listing for older equipment
> > that is no longer sold, but still available on the surplus and hamfest
> > circles. As an example, Radio Netherlands has a series of reviews of
> > shortwave receiver equipment at
> > <http://www.rnw.nl/en/pub/testlab/index.html>.

> >
> > I don't know how many times I have wanted to see an old brochure on
> > equipment to determine specs and particularly options available to see
> > what it was I was considering.

> >

> > Just a thought !!

> >

> > 72, n3qoo

> >

>

>Yep, would be nice.

I'm doing this on the Internet QRP Club's web site, but I need more data:

<<http://qrp.cc.nd.edu/QRP-L/catalog/>>

From owner-qrp-l@Lehigh.EDU Fri Sep 13 23:13:45 1996
From: "James C. Owen, III" <owen@apollo.eeel.nist.gov>
Subject: [4144] RE: radials
Message-ID: <49252.owen@apollo.eeel.nist.gov>

In message Fri, 13 Sep 1996 10:22:38 -0700 (PDT),
Doug Cooper <doug@efn.org> writes:

> I plan to bury some radials fer my ground-mounted vertical. Question:
> Do they have to be made with insulated wire, or can I use something like
> electric fence wire??
> 73, de n7cnh/doug
>

You can use anything that you like. Steel wire, copper wire, chicken wire even junked Buicks if you like. Just be sure that they are all connected together somewhere. The feed point is the usual and best place but there can be an additional bond down the length somewhere. The best ground would be a copper mesh the area of the complete antenna field but few of us can and would go to that extreme. BTW my HB 1/4 wave vertical has NO radials under it and it works pretty good on 20M. I've been trying to find a "Round Tuit" for 3 years now. 72 Jim K4CGY qrp-l #72

From owner-qrp-l@Lehigh.EDU Fri Sep 13 23:13:45 1996
From: Kevin Muenzler <muenzlerk@uthscsa.edu>
Subject: [4147] RE: radials
Message-ID: <01BBA173.4C8DE820@muenzlerk.uthscsa.edu>

On Friday, September 13, 1996 5:22 AM, Doug Cooper[SMTP:doug@efn.org] wrote:

>Greetings,
> I plan to bury some radials fer my ground-mounted vertical. Question:
>Do they have to be made with insulated wire, or can I use something like
>electric fence wire??
>
73, de n7cnh/doug

I use insulated wire for one reason -- it will last much longer in a wet climate. Not that I have a wet climate here in south Texas.

Kevin, WB5RUE

From owner-qrp-l@Lehigh.EDU Fri Sep 13 23:13:45 1996
From: "J. Skalski" <jskalski@acsu.buffalo.edu>
Subject: [4150] Re: radials
Message-ID: <Pine.GS0.3.93.960913144027.8454A-1000000@destrier.acsu.buffalo.edu>

I use stainless steel welding wire. It works for me.

73,

Jim N2GO
The Buffalo QRP CONNECTION
ARCI #9013 QRP-L #381
jskalski@acsu.Buffalo.EDU

From owner-qrp-l@Lehigh.EDU Fri Sep 13 23:13:45 1996
From: w0ch@juno.com
Subject: [4181] Re: radials
Message-ID: <19960913.144356.4879.0.W0CH@juno.com>

Doug, you can use just about any type of electrical conductor and it will work.

The use of bare versus insulated wire is primarily for good conduction to the earth for lightning discharge. Insulated wire will work fine for RF counterpoise purposes.

The main concern about the type of wire is how long it will last in the soil before it deteriorates (corrodes) away.

Any type of wire direct buried in soil only has a useful life of a few years. The larger the diameter of the wire, the more years it will last.

Sorry, but I don't have access to any files that document this deterioration. Different soils and moisture (read different locations) have varying affects on the wire. I have used electric fence wire before and it lasted several years. I have also used old copper wire removed

from the old fashioned rural telephone lines with good results. This wire was corroded green before it was buried and was still usable 20 years later!

My recommendation is to use whatever wire you can afford, use as much as you can get down and try to make the connections to the antenna system above grade (above ground level).

By the way, radials don't have to be buried. They will work fine just laying on the surface. In fact, elevated radials installed in the air above ground level are better than buried wires in that fewer wires are needed for the same RF counterpoise effects. Just look at two meter ground plane antennas for an example of this.

72,

Dave W0CH
W0CH@juno.com

On Fri, 13 Sep 1996 10:22:38 -0700 (PDT) Doug Cooper <dougco@efn.org> writes:

>

>Greetings,

> I plan to bury some radials for my ground-mounted vertical.

>Question:

>Do they have to be made with insulated wire, or can I use something

>like

>electric fence wire??

> 73, de n7cnh/doug

>

>

>

From owner-qrp-1@Lehigh.EDU Fri Sep 13 23:13:45 1996
From: GREGOIRE@ENDOR.COM (ERNEST GREGOIRE)
Subject: [4170] Re: small amplifiers
Message-ID: <199609132302.TAA21711@nss2.CC.Lehigh.EDU>

>Hi Gang;

>

>While researching for a small amplifier for my qrp rigs for those times when

>qrp just does not do it, I had numerous replies for which i am very

>thankful. One reply mentioned a company that was not known to me.

>The name of this company is CCI or Communication Concepts, Inc. which

>has all kinds of solid state amp kits as well as other items and parts

>for you to built your own.

Hello John, and Gang,

I just bought one of those amps. I was going to build the amp featured in the ARRL Hand Book, but the MRF 477 is no longer in production. There are substitutes of course but the physical layout of the P.C.B. prevents thier use.

The H.B. amp is 2 watts in and 50 watts out, and the CCI amp, based on the identical AN 762 application note from Motorola is 2 watts in and 100 to 180 watts out depending on the transistor chosen for the amp.

I am working with the ARRL technical engineer to put a good ALC circuit,into my amp, and to use the swr meter circuit that is featured in the now defuct ARRL hand book amp.

The plans in the hand book call for building a band switch, I plan to use relays to switch the filters.

Has anyone else built an amp like this?

Your input(love a pun) would be greatly appreciated.

73 de AA1IK
Ernie

From owner-qrp-1@Lehigh.EDU Fri Sep 13 23:13:45 1996
From: Stan Goldstein <stan@cruzio.com>
Subject: [4180] Re: small amplifiers
Message-ID: <323A1CB9.1B4D@cruzio.com>

John wrote>

One reply mentioned a company that was not known to me.
> >The name of this company is CCI or Communication Concepts, Inc. which
> >has all kinds of solid state amp kits as well as other items and parts
> >for you to built your own.

Stan Goldstein jumped in and uttered:

I built on of their amps about 6 years ago. It was rated around 5 w in/ 140 out.

Still have it, but blew the input section accidently by pumping in 35 watts or so.

The owner was very helpful . I think highly of the Company.

ERNEST GREGOIRE wrote:>

>
> I just bought one of those amps.
>
> The H.B. amp is 2 watts in and 50 watts out, and the CCI amp, based on the
> identical AN 762 application note from Motorola is 2 watts in and 100 to 180
> watts out depending on the transistor chosen for the amp.
>
> The plans in the hand book call for building a band switch, I plan to use
> relays to switch the filters.
>
> Has anyone else built an amp like this?

I believe this is the way the OHR 400 works..

Stan , N6ULU

From owner-qrp-l@Lehigh.EDU Fri Sep 13 23:13:45 1996
From: JEVERHART@cayman.vf.mmc.com
Subject: [4128] RE: SW-30 Audio
Message-ID: <960913105429.202095eb@carib.vf.mmc.com>

Bill,

I, too have an SW-30 (actually a 30-40) and a Norcal 40. The gain in the SW-30 is definitely less than the Norcal rig. And since much of my operating is with a compromise antenna, the lack of audio was noticeable.

I've done two things to circumvent this, besides the usual mods. First, I use a *good* set of earphones. I learned this with an older Small Parts Center rig I had. The usual el-cheapo headphones gave me poor results. I bought a decent pair of Sony headphones (about \$15.00) and the rig had plenty of volume.

However even with those good headphones, my aging ears wanted more power (just like Tim Taylor!). My final solution was to add one of the Radio Shack audio amplifier boards (used to sell 'em for about \$7.95) to the audio output chain.

I simply wired it up and used double-sided foam tape to mount it inside the lid of my 30-40 cabinet. I wrote it up in 72 several issues ago.

You can really use any amplifier with an LM380 or '386 to do the same job. They have enough gain that you will have to crank 'way back so that you don't blast your ears out!

72/73,

Joe E., N2CX

From owner-qrp-1@Lehigh.EDU Fri Sep 13 23:13:45 1996
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
Subject: [4118] Re: SWR and Reflection Losses
Message-ID: <Pine.SOL.3.94.960913072956.6354B-100000@utkux4.utcc.utk.edu>

Appreciated the fine exposition on SWR and long feedlines.

The latest HAMCALC has a new little program by VE3ERP calculating the power losses for various lines, lengths, and types for various SWRs.

-73-

LB, W4RNL

From owner-qrp-1@Lehigh.EDU Fri Sep 13 23:13:45 1996
From: "John A. Evans" <jaevans@cos.cst.titan.com>
Subject: [4140] Re: The plural of "mod" is "mods" - thank you
Message-ID: <199609131644.MAA28216@nss2.CC.Lehigh.EDU>

> So please tell me why the plural of "mod" should be "mod's" and not "mods".

Sure - mod's is a contraction of modifications &^) &^) &^)

john, n3qoo

John A. Evans Chief System Administrator
Office: (719) 528-1800 x164 Titan Client/Server Technologies
Fax: (719) 528-1275 1115 Elkton Dr, Suite 200
email: jaevans@cos.cst.titan.com Colorado Springs, CO 80907-3535

From owner-qrp-1@Lehigh.EDU Fri Sep 13 23:13:45 1996
From: "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>
Subject: [4148] Re: The plural of "mod" is "mods" - thank you
Message-ID: <Pine.OSF.3.95.960913122237.27061A-100000@duke.usask.ca>

On Fri, 13 Sep 1996, John A. Evans wrote:

>
> > So please tell me why the plural of "mod" should be "mod's" and not "mods".
>
> Sure - mod's is a contraction of modifications &^) &^) &^)
>
> john, n3qoo

Shouldn't it be mod'ns then 8-? (Sorry. I know this post has as little to do with qrp as vanity call signs but I couldn't resist.)

BTW I saw the following quote which I thought would make a good signature:

It's is not, it isn't ain't, and it's it's, not its, if you mean it is. If you don't, it's its. Then too, it's hers. It isn't her's. It isn't our's either. It's ours, and likewise yours and theirs.
-- Oxford University Press, Edpress News

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+-----+
| Brian Buydens, Computing Services, University of Saskatchewan |
| email: Brian.Buydens@usask.ca |
| VE5RDV |
+-----+
| "If I had only known, I would have been a locksmith." |
| -- Albert Einstein |
+-----+
```

From owner-qrp-1@Lehigh.EDU Fri Sep 13 23:13:45 1996
From: rright@primenet.com (Roger Hightower)
Subject: [4152] Re: The plural of "mod" is "mods" - thank you
Message-ID: <199609131902.MAA21616@primenet.com>

At 09:38 AM 9/13/96 -0700, Grover Cleveland WT6P wrote:

>
>So please tell me why the plural of "mod" should be "mod's" and not "mods".
>

Sri folks, I can't resist this one.

As a contraction of "modifications" mod's is acceptable, and properly contracts a plural. "Mod" is just plain lazy, but if you have to use it then "mods" would be the plural of that.

It's been said many times that English is one of the most difficult languages.

72/73 de Roger AA7QY

NorCal 1099 CoQRP 176 QRP-L 62 G-QRP 9081 ARCI 8946 NE-QRP 383

From owner-qrp-1@Lehigh.EDU Fri Sep 13 23:13:45 1996
From: Paul Erickson <paul1@wizard.ucs.sfu.ca>
Subject: [4155] Re: The plural of "mod" is "mods" - thank you
Message-ID: <9609131911.AA22594@wizard.ucs.sfu.ca>

>
> At 09:38 AM 9/13/96 -0700, Grover Cleveland WT6P wrote:
>
> >
> >So please tell me why the plural of "mod" should be "mod's" and not "mods".
> >
>
> Sri folks, I can't resist this one.
>
> As a contraction of "modifications" mod's is acceptable, and properly
> contracts a plural. "Mod" is just plain lazy, but if you have to use it
> then "mods" would be the plural of that.
>
> It's been said many times that English is one of the most difficult languages.
>
> 72/73 de Roger AA7QY
>
> NorCal 1099 CoQRP 176 QRP-L 62 G-QRP 9081 ARCI 8946 NE-QRP 383
>
As I recall, Jefferson said something to the effect that " anyone who cannot think of three different ways to spell an interesting word has a limited imagination." ;-).

cheers, Paul

VE7CQK

email: paul1@wizard.ucs.sfu.ca

From owner-qrp-1@Lehigh.EDU Fri Sep 13 23:13:45 1996

From: wylde@nccn.net (Grover Cleveland WT6P)

Subject: [4139] re: Vanity Calls

Message-ID: <v02130502ae5f3ec1822e@[205.139.74.189]>

>may put in an application. Maybe I'll only list 6 or so calls, and leave it
>up to God and the FCC.

>

>73 Kevin KB2TE0

A good question is raised here: what if I don't fill up the requisite
number of blanks with desired calls? Have I missed something in the
instructions? Do I just get my old call back if the calls I want aren't
avaialble or do they randomly issue me something worse than I already have?

73

Grover

- - -

P. Grover Cleveland WT6P / QRPARCI 3795 / ARS 101 / Norcal 216 / QRP-L #669

Sr. Engineer - Tektronix/Grass Valley

Archaeominiferroequinologist

Fairmont Speeder Pilot

Certified Steam Locomotive Driver

Certifiably Loony

Can also be found at: cleveland@usa.net

71213.2741@compuserve.com

<http://ourworld.compuserve.com/homepages/gcleveland/me.htm>

From owner-qrp-1@Lehigh.EDU Fri Sep 13 23:13:45 1996

From: "James C. Owen, III" <owen@apollo.eeel.nist.gov>

Subject: [4143] re: Vanity Calls

Message-ID: <48331.owen@apollo.eeel.nist.gov>

In message Fri, 13 Sep 1996 09:39:56 -0700,

wylde@nccn.net (Grover Cleveland WT6P) writes:

```
>
>> may put in an application.  Maybe I'll only list 6 or so calls, and
>> leave it up to God and the FCC.
>>
>> 73 Kevin KB2TE0
>>
>
> A good question is raised here: what if I don't fill up the requisite
> number of blanks with desired calls? Have I missed something in the
> instructions? Do I just get my old call back if the calls I want aren't
> available or do they randomly issue me something worse than I already
> have?
```

If the call/calls you requested are not available you keep your present call and your money is refunded. 72 Jim K4CGY qrp-1 #72

From owner-qrp-1@Lehigh.EDU Fri Sep 13 23:13:45 1996
From: n6mve@juno.com (mike wood)
Subject: [4173] Re: Vanity Calls
Message-ID: <19960913.005019.4615.2.N6MVE@juno.com>

GROVER, THE FORM 610V SPECIFICALLY STATES YOU WILL BE REISSUED YOUR SAME OLD CALL IN THE EVENT YOU DO NOT GET THE NEW ONE OF YOUR CHOICE.

I TOO AM REQUESTING A VERY LIMITED LIST OF POTENTIAL NEW CALLS(5) AND WAS WONDERING IF I WOULD GET A REFUND IF I AM UNSUCCESSFUL.

JUST GOT OFF THE PHONE WITH THE FCC AND THEY CONFIRMED A REFUND WOULD BE ISSUED BUT A WRITTEN REQUEST WOULD BE NECESSARY. THEY WILL NOT AUTOMATICALLY RETURN YOUR MONEY.

HOPE THIS CLEARS UP SOME OF THE CONFUSION.

73, MIKE N6MVE

On Fri, 13 Sep 1996 09:39:56 -0700 wylde@nccn.net (Grover Cleveland WT6P) writes:

```
>>may put in an application.  Maybe I'll only list 6 or so calls, and
>leave it
```

>>up to God and the FCC.
>>
>>73 Kevin KB2TE0
>
>A good question is raised here: what if I don't fill up the requisite
>number of blanks with desired calls? Have I missed something in the
>instructions? Do I just get my old call back if the calls I want
>aren't
>avaialble or do they randomly issue me something worse than I already
>have?
>
>73
>
>Grover
>
>
>- - -
>P. Grover Cleveland WT6P / QRPARCI 3795 / ARS 101 / Norcal 216 / QRP-L
>#669
>Sr. Engineer - Tektronix/Grass Valley
>Archaeominiferroequinologist
>Fairmont Speeder Pilot
>Certified Steam Locomotive Driver
>Certifiably Loony
>
>Can also be found at: cleveland@usa.net
>71213.2741@compuserve.com
><http://ourworld.compuserve.com/homepages/gcleveland/me.htm>
>
>
>
>

From owner-qrp-l@Lehigh.EDU Fri Sep 13 23:13:45 1996
From: rright@primenet.com (Roger Hightower)
Subject: [4178] Re: World Radio Mag
Message-ID: <199609140135.SAA18737@primenet.com>

At 11:12 PM 9/13/96 +0000, Robert Paschal wrote:
>Anyone got World Radio Mag subscription address or phone number?
>
>Better yet - how about an 800 number? Thanks
>
>Bob AA0MC
>
>

>

Try 1-800-366-9192 or e-mail to n6wr@delphi.com.

72/73 de Roger AA7QY

NorCal 1099 CoQRP 176 QRP-L 62 G-QRP 9081 ARCI 8946 NE-QRP 383